

## ABSTRACT

The invention provides a system and method for providing security against unauthorized access to a java enabled network device. The system includes multiple conventional class loaders, code verifiers, security managers, access managers, SAMs, a certificate authority and a policy server. The SAM verifies the authenticity of the entity and either allows a download/access to a device or rejects the download/access to a network device. The certificate authority is a repository for public key certificates and may be a part of the secure network or part of the unsecured network. The policy server is a repository for the rights (privileges) an entity is entitled to on the secure network. The code verifiers verify that the Byte Code is valid java code. The security manager is the conventional security manager. The class loader loads the code to the device and the access manager assigns access levels to each Java thread that is created.